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S100A4 / FSP1 Antibody (C-Terminus)

Goat Polyclonal Antibody
Catalog # ALS12237

Specification

S100A4 / FSP1 Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	P26447
Reactivity	**Human, Rabbit, Pig, Bovine, Dog, Horse**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**12kDa KDa**

S100A4 / FSP1 Antibody (C-Terminus) - Additional Information

Gene ID 6275

Other Names
Protein S100-A4, Calvasculin, Metastasin, Placental calcium-binding protein, Protein Mts1, S100 calcium-binding protein A4, S100A4, CAPL, MTS1

Target/Specificity
Human S100A4 / FSP1. Both variants (NP_002952.1; NP_062427.1) represent identical protein.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
S100A4 / FSP1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

S100A4 / FSP1 Antibody (C-Terminus) - Protein Information

Name S100A4

Synonyms CAPL, MTS1

Function
Calcium-binding protein that plays a role in various cellular processes including motility, angiogenesis, cell differentiation, apoptosis, and autophagy (PubMed:16707441, PubMed:23752197, PubMed:30713770). Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (PubMed:16707441). Mechanistically, promotes filament depolymerization and increases the amount of soluble myosin-IIA, resulting in the formation of stable protrusions facilitating chemotaxis (By similarity). Modulates also the pro-apoptotic function of TP53 by

binding to its C-terminal transactivation domain within the nucleus and reducing its protein levels (PubMed:23752197). Within the extracellular space, stimulates cytokine production including granulocyte colony-stimulating factor and CCL24 from T-lymphocytes (By similarity). In addition, stimulates T-lymphocyte chemotaxis by acting as a chemoattractant complex with PGLYRP1 that promotes lymphocyte migration via CCR5 and CXCR3 receptors (PubMed:30713770, PubMed:26654597).

Cellular Location
Secreted. Nucleus Cytoplasm {ECO:0000250|UniProtKB:P07091}

Tissue Location
Ubiquitously expressed.

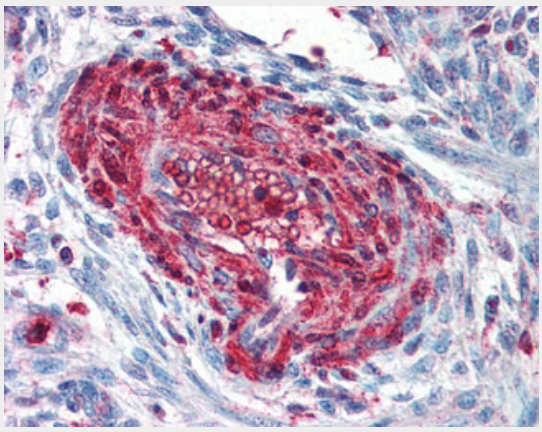
Volume
Array

S100A4 / FSP1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

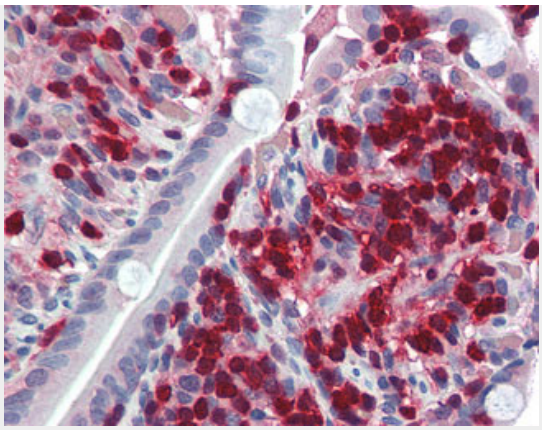
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

S100A4 / FSP1 Antibody (C-Terminus) - Images



Anti-S100A4 antibody IHC of human uterus, vessel.

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Anti-S100A4 antibody IHC of human small intestine.

S100A4 / FSP1 Antibody (C-Terminus) - References

Engelkamp D.,et al.Biochemistry 31:10258-10264(1992).
Engelkamp D.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:6547-6551(1993).
Tulchinsky E.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:9146-9150(1992).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).